Agency: Holts Summit Police Dept.

Population: 2,365

age 16 and over

KEY INDICATORS	Total	White	Black	Hispanic	Asian	Am. Indian	Other
Stops	932	861	55	7	4	1	4
Searches	84	84	0	0	0	0	0
Arrests	13	13	0	0	0	0	0
Statewide population %	N/A	84.22	10.73	2.13	1.39	0.44	1.09
Local population %	N/A	94.80	2.37	0.89	0.13	0.93	0.89
Disparity index	N/A	0.97	2.49	0.85	3.38	0.12	0.48
Search rate	9.01	9.76	0.00	0.00	0.00	0.00	0.00
Contraband hit rate	5.95	5.95	#Error	#Error	#Error	#Error	#Error
Arrest rate	1.39	1.51	0.00	0.00	0.00	0.00	0.00

Notes: Population figures are 2006 Census estimates for persons 16 years of age and older who designated a single race. Hispanics may be of any race. Other includes persons of mixed race and unknown race.
Disparity index = (proportion of stops / proportion of population). A value of 1 represents no disparity; values greater than 1 indicate over-representation, values less than 1 indicate under-representation.
Search rate = (searches / stops) X 100.
Contraband hit rate = (searches with contraband found / total searches) X 100.
Arrest rate = (arrests / stops) X 100.   #Error indicates zero denominator.

VEHICLE STOP STATS		Total	White	Black	Hispanic	Asian	Am. Indian	Other
Reason for stop	Moving	826	763	47	7	4	1	4
	Equipment	71	66	5	0	0	0	0
	License	7	6	1	0	0	0	0
	Investigative	28	26	2	0	0	0	0
Stop outcome	Citation	672	626	32	6	3	1	4
	Warning	194	175	17	1	1	0	0
	No action	38	37	1	0	0	0	0
Location of stop	Interstate hwy	0	0	0	0	0	0	0
	US hwy	211	184	22	2	0	0	3
	State hwy	23	22	1	0	0	0	0
	County road	5	5	0	0	0	0	0
	City street	689	647	31	5	4	1	1
	Other	4	3	1	0	0	0	0
Driver gender	Male	524	478	34	5	4	0	3
	Female	408	383	21	2	0	1	1
Driver age	17 and under	64	64	0	0	0	0	0
	18-29	358	325	26	5	1	0	1
	30-39	231	204	22	1	1	1	2
	40 and over	279	268	7	1	2	0	1

SEARCH STATS		Total	White	Black	Hispanic	Asian	Am. Indian	Other
Probable cause/ authority to search	Consent	84	84	0	0	0	0	0
	Inventory	1	1	0	0	0	0	0
	Drug/alcohol odor	10	10	0	0	0	0	0
	Incident to arrest	10	10	0	0	0	0	0
	Plain view contraband	0	0	0	0	0	0	0
	Reasonable suspicion-weapon	0	0	0	0	0	0	0
	Drug-dog alert	1	1	0	0	0	0	0
	Other	1	1	0	0	0	0	0
What searched	Driver	4	4	0	0	0	0	0
	Car/property	80	80	0	0	0	0	0
	Driver & Property	0	0	0	0	0	0	0
Search duration	0-15 minutes	75	75	0	0	0	0	0
	16-30 minutes	6	6	0	0	0	0	0
	31+ minutes	3	3	0	0	0	0	0
Contra-band found	Drugs/alcohol	3	3	0	0	0	0	0
	Currency	0	0	0	0	0	0	0
	Weapon	0	0	0	0	0	0	0
	Stolen property	0	0	0	0	0	0	0
	Other	2	2	0	0	0	0	0
Arrest charge	Outstanding warrant	4	4	0	0	0	0	0
	Drug violation	2	2	0	0	0	0	0
	Resist arrest	0	0	0	0	0	0	0
	Offense against person	0	0	0	0	0	0	0
	Traffic Violation	0	0	0	0	0	0	0
	DWI/BAC	7	7	0	0	0	0	0
	Property offense	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0

Agency response

The disparity index details that the "Black" and "Asian" categories are over represented with factors of 2.49 and 3.38 respectively. The disparity index as displayed here is based on a comparison of stops in Holts Summit and the State Average for each population and does not take into account local population and through traffic populations. The population of Missouri based on race is not evenly distributed in the State of Missouri and are not stationary. Therefore, using local numbers compared to state numbers creates a flawed basis for statistical analysis. Any final report also must indicate inherent problems when conducting statistical analysis when low numbers are used to develop the statistics. For example the report indicates that Holts Summit displays a 3.38 disparity index in relation to "Asian" stops. However, when you look at the actual numbers used to develop this index, it indicates that only 4 stops were made in all of 2006 where "Asian" was the perceived race of the driver. Two of the stops were also the same driver. The same issue is demonstrated in the disparity index for "Black." In 2006 only 55 stops were made where the perceived race of the driver was "Black." Yet the statistical analysis indicates a disparity index of 2.49. The Arrest Rate indicated in the data also shows 1.51 for "White," which would appear to indicate that "White" is over represented. However, only 13 arrests were made in all of 2006. Again, low numbers in this form of statistical analysis results in misleading data when only the result is examined.